

1 **(BSP June 26, 2000)**

2 **Resin Filler**

3 Resin filler shall be a two component, resin and catalyst, liquid thermoset
4 material.

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6 The properties of the resin and catalyst shall be:

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- 8 1. The components shall be supplied in separate containers.
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 - 10 2. The viscosity of the resin-catalyst mixture shall be $35,000 \pm 5,000$ cP at
11 75F immediately after mixing.
 - 12
 - 13 3. The flash point shall be 100F minimum.
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 - 15 4. After mixing, the resin-catalyst mixture shall be pourable for a minimum
16 of eight minutes at 60F and shall harden in fifteen minutes maximum.
17 Heating of the mixture after placing to a maximum temperature of 250F
18 is permissible to obtain a full cure.
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20 The properties of the cured resin shall be:

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- 22 1. The fully cured compressive strength shall be 12,000 psi minimum.
 - 23
 - 24 2. The maximum allowable shrinkage shall be 2 percent. To control
25 shrinkage, an inert filler may be used in the resin provided that the
26 viscosity requirements are met.
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 - 28 3. The hardness shall be between 40 and 55 in accordance with ASTM D
29 2583.
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31 A resin material known to meet the specified requirements herein is used in the
32 wire rope industry for resin socketing.

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34 The Contractor shall submit a Manufacturer's Certificate of Compliance in
35 accordance with Section 1-06.3 to the Engineer for approval prior to using the
36 resin filler.